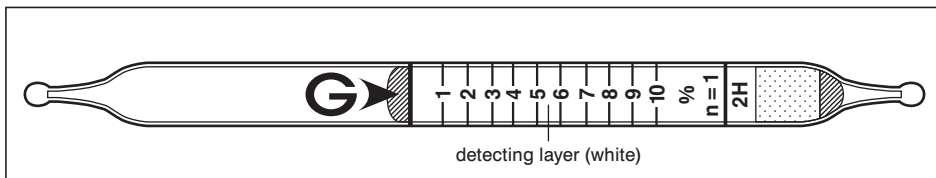


Carbon Dioxide CO₂

No.2H

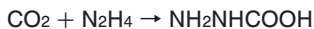


Performance

Measuring range	0.5 to 1 %	1 to 10 %	10 to 20 %
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 0.1 % (2 Pump strokes)
 Colour change : White → Purple
 Corrections for temperature & humidity : Unnecessary
 Relative standard deviation : 10 % (for 1 to 3 %), 5 % (for 3 to 10 %)
 Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Amines		} No	} No
Ammonia			
Carbon monoxide			
Chlorine			
Hydrogen chloride			
Hydrogen sulphide			
Nitrogen oxides			
Organic compounds			
Sulphur dioxide			

Calibration gas generation

High pressure gas cylinder method